

## POSITIONS AND AREAS OF SUN SPOTS—Continued

## PROVISIONAL SUNSPOT RELATIVE NUMBERS FOR APRIL 1940

Date	East- ern stand- ard time	Mount Wilson group No.	Heliographic				Area of spot or group	Spot count	Plate qual- ity	Observatory
			Dif- fer- ence in longi- tude	Lon- gi- tude	Lat- i- tude	Dis- tan- ce from cen- ter of disk				
Apr. 28	10 58	6824	° -35	° 20	° +9	° 38	145	6	P	Mt. Wilson.
		6818	+48	103	-4	48	121	5		
		6817	+63	118	+13	66	73	4		
		6814	+85	140	+14	86	48	2		
			(55)	(-4)			387	17		
Apr. 29	13 3	6824	-22	19	+9	25	121	5	F	Do.
		6818	+62	103	-4	62	121	8		
		6817	+76	117	+14	77	24	2		
			(41)	(-4)			266	15		
		6824	-9	20	+10	17	121	13	G	
Apr. 30	10 50	6825	+2	31	-13	9	24	6		Do.
		6818	+73	102	-3	73	97	4		
			(29)	(-4)			242	23		

1 Mean daily area for 29 days=713.

• Not numbered.

Plate quality: VG=very good; G=good; F=fair; P=poor.

[Dependent alone on observations at Zurich, Switzerland]

[Data furnished through the courtesy of Prof. W. Brunner, Eidgen. Sternwarte, Zurich]

April 1940	Relative numbers	April 1940	Relative numbers	April 1940	Relative numbers
1	<i>Ec</i> 85	11	<i>a</i> 50	21	<i>a</i> 94
2	<i>a</i> 80	12	53	22	83
3	<i>Ec</i> —	13	53	23	<i>a</i> 63
4	47	14	<i>d</i> 60	24	<i>Wc</i> 64
5	<i>a</i> 62	15	74	25	<i>ad</i> 56
6	<i>ad</i> 58	16	<i>ad</i> 65	26	50
7	64	17	65	27	62
8	56	18	59	28	38
9	<i>Wc</i> 41	19	<i>Wed</i> 71	29	32
10	<i>Ec</i> 59	20	<i>a</i> 79	30	35

Mean, 29 days=60.6

*a*=Passage of an average-sized group through the central meridian.*b*=Passage of a large group through the central meridian.*c*=New formation of a group developing into a middle-sized or large center of activity: E, on the eastern part of the sun's disk; W, on the western part; M, in the central-circle zone.*d*=Entrance of a large or average-sized center of activity on the east limb.